



PDP-MONITOR

(PLASMA DISPLAY PANEL)

Owner's Instructions

Before operating the unit,
please read this manual thoroughly,
and retain it for future reference.

ON-SCREEN MENUS

Energy Saving



SRS TruSurroundXT



Digital Natural Image engine

This device is a Class A digital apparatus.
Register your product at www.samsung.com/global/register

User Instructions

◆ Screen Image retention

Do not display a still image (such as on a video game or when hooking up a PC to this PDP Monitor) on the plasma monitor panel for more than 2 hours as it can cause screen image retention. This image retention is also known as "screen burn". To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.

◆ Height

The PDP Monitor can normally operate only under 2000m in height. It might abnormally function at a place over 2000m in height so do not install and operate there.

◆ Heat on the top of the PDP Monitor

The top side of the product may be hot after long periods of use as heat dissipates from the panel through the vent hole in the upper part of the product. This is normal and does not indicate any defect or operation failure of the product. However, children should be prevented from touching the upper part of the product.

◆ The product is making a 'cracking' noise.

A 'cracking' noise may occur when the product contracts or expands due to a change of surrounding environment such as temperature or humidity. This is normal and not a defect of the unit.

◆ Cell Defects

The PDP Monitor uses a panel consisting of 1,230,000(SD-level) to 3,150,000(HD-level) pixels which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

◆ Avoid operating the PDP Monitor at temperatures below 5°C(41°F)

◆ A still image displayed too long may cause permanent damage to the PDP Monitor Panel.



Watching the PDP Monitor in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and centre of the screen caused by the difference of light emission on the screen.

Playing a DVD or a game console may cause similar effect to the screen. Damages caused by the above effect are not covered by the Warranty.

◆ Afterimage on the Screen.

Displaying still images from Video games and PC for longer than a certain period of time may produce partial afterimages. To prevent this effect, reduce the 'brightness' and 'contrast' when displaying still images.

◆ Warranty

- Warranty does not cover any damage caused by image retention.
- Burn-in is not covered by the warranty.

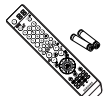
◆ Installation

Be sure to contact an authorized service centre, when installing your set in a location with heavy dust, high or low temperatures, high humidity, chemical substance and where it operates continually such as the airport, the train station etc. Failure to do so may cause a serious damage to your set.

Checking Parts



Owner's
Instructions



Remote Control/
AAA Batteries



Warranty Card/
Registration Card/
Safety Guide Manual
(Not available in all locations)



Power Cord



Cloth-Clean

Sold Separately



HDMI Cable
(Option)



HDMI/DVI Cable
(Option)



PC Cable



PC Audio Cable

Contents

◆	GENERAL INFORMATION	
■	User Instructions	2
■	Checking Parts	2
■	Control Panel	4
■	Connection Panel	5
■	Viewing the Remote Control (depending on the model)	6
■	Installing Batteries in the Remote Control	7
◆	OPERATION	
■	Switching Your PDP Monitor On and Off	7
■	Viewing the Menus	8
■	Freezing the Current Picture	8
■	Viewing an External Signal Source	9
■	Editing Device Names	9
◆	PICTURE CONTROL	
■	Changing the Picture Standard	10
■	Customizing the Picture Settings	10
■	Selecting the Picture Size	11
■	Digital NR	11
■	SMD	11
■	DNle Demo	11
◆	SOUND CONTROL	
■	Sound Features	12
◆	FUNCTION DESCRIPTION	
■	Language	13
■	Blue Screen	13
■	Melody	13
■	Energy Saving	13
■	Using Game Mode	13
■	Screen Burn Protection	14
■	Setting the Blue Eye	15
◆	PC DISPLAY	
■	Setting up Your PC Software (Based on Windows XP)	15
■	Input Mode (PC)	16
■	Setting the PC	17
◆	APPENDIX	
■	How to Install the Wall Mount Bracket	18
■	Setting Up Your Remote Control	20
■	Troubleshooting	25

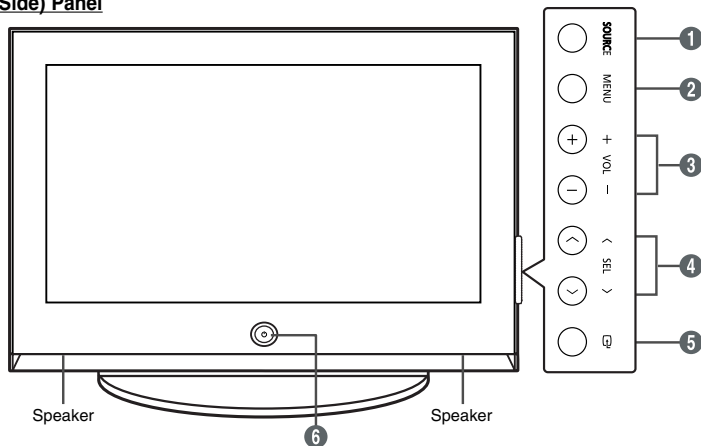
Symbols



Control Panel

➤ The product colour and shape may vary depending on the model.

Front (or Side) Panel

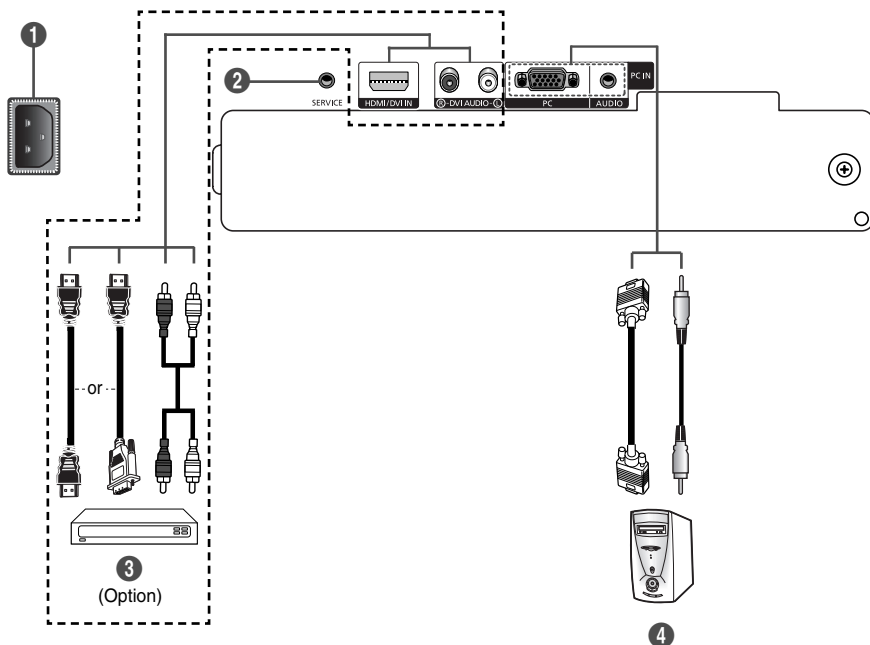


- 1 **SOURCE**
Displays a menu of all of the available input sources (PC, HDMI (Option)).
 - 2 **MENU**
Press to see the on-screen menu of your PDP Monitor's features.
 - 3 **VOL +, -**
Press to increase or decrease the volume.
In the on-screen menu, use the **VOL +, -** buttons as you use the ◀ and ▶ buttons on the remote control.
 - 4 **SEL ^, v**
Press to change channels. In the on-screen menu, use the **SEL ^, v** buttons as you use the ▲ and ▼ buttons on the remote control.
 - 5 **[ENTER] (ENTER)**
Press to confirm a selection.
 - 6 **⏻ (Power) button**
Press to turn the PDP Monitor on and off.
- Power Indicator**
- Power Off: Blue
- Power On: Off
- Remote Control Sensor**
Aim the remote control towards this spot on the PDP Monitor.

Connection Panel

➤ The product colour and shape may vary depending on the model.

Rear Panel



- ⚡ Whenever you connect an audio or video system to your set, ensure that all elements are switched off.
- ⚡ When connecting an external device, match the colour of the connection terminal to the cable.

1 POWER IN

- Connect the supplied power cord.

2 SERVICE

- Connector for service only.

3 HDMI/DVI IN (Option)

- Connect to the HDMI jack of a device with HDMI output. These inputs can also be used as a DVI connection with separate analog audio inputs. An optional HDMI/DVI cable will be necessary to make this connection. When using the optional HDMI/DVI adapter, the DVI analog audio inputs on your PDP Monitor allow you to receive left and right audio from your DVI device. (Not compatible with PC)
- When connecting this product via HDMI or DVI to a Set Top Box, DVD Player or Games Console etc, make sure that it has been set to a compatible video output mode as shown in the table below. Failure to observe this may result in picture distortion, image breakup or no picture.
- Do not attempt to connect the HDMI/DVI connector to a PC or Laptop Graphics Card. (This will result in a blank screen being displayed)

DVI AUDIO IN L/R (Option)

- DVI audio outputs for external devices.

4 PC IN / AUDIO

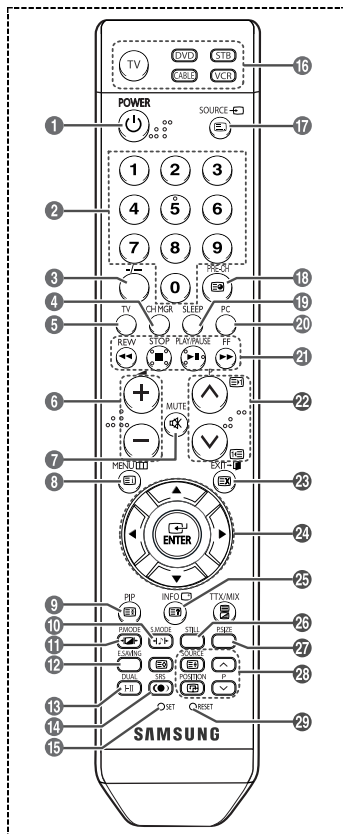
- Connect to the video and audio output jack on your PC.

➤ Supported modes for HDMI/DVI (Option)

	480i	480p	576i	576p	720p	1080i
HDMI/DVI 50Hz	X	X	X	O	O	O
HDMI/DVI 60Hz	X	O	X	X	O	O

Viewing the Remote Control (depending on the model)

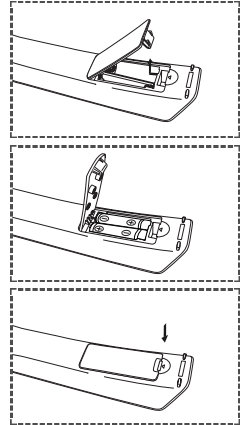
- 1 POWER button
(turns the PDP Monitor on and off)
- 2 Number buttons for direct channel access
- 3 One/Two-digit channel selection
- 4 Channel control button
- 5 Selects the PDP mode directly
- 6 $\oplus$ Volume increase
 $\ominus$ Volume decrease
- 7 Temporary sound switch-off
- 8 Displays the main on-screen menu
- 9 Picture-In-Picture On/Off
- 10 Sound effect selection
(Refer to page 12)
- 11 Picture effect selection
(Refer to page 10)
- 12 Adjust screen brightness to surrounding environment
(Refer to page 13)
- 13 Sound mode selection
- 14 TruSurround XT mode button
- 15 Remote control setup
- 16 Selects a target device to be controlled by the Samsung remote control (TV, DVD, STB, CABLE, VCR)
- 17 Available source selection
- 18 Previous channel
- 19 Automatic Power-off
- 20 Selects the PC mode directly
- 21 VCR/DVD Function
(Rewind, Stop, Play/Pause, Fast/Forward)
- 22 $\odot$ Next channel
 $\odot$ Previous channel
- 23 Exit the on-screen menu
- 24 Control the cursor in the menu
- 25 Use to see information on the current broadcast
- 26 Picture freeze
- 27 Picture size selection
- 28 Select the channel of sub picture (PIP)
- 29 If your remote control is not functioning properly, take out the batteries and press the reset button for about 2-3 seconds.
Re-insert the batteries and try using the remote control again.



- The performance of the remote control may be affected by bright light.
- This is a special remote control for the visually impaired, and has Braille points on the Power, Channel and Volume buttons.

Installing Batteries in the Remote Control

- 1 Lift the cover at the back of the remote control upward as shown in the figure.
 - 2 Install two AAA size batteries.
 - Make sure to match the “+” and “-” ends of the batteries with the diagram inside the compartment.
 - 3 Close the cover as shown in the figure.
 - Remove the batteries and store them in a cool, dry place if you won't be using the remote control for a long time. The remote control can be used up to about 23 feet from the PDP Monitor. (Assuming typical PDP Monitor usage, the batteries last for about one year.)
-
- **If the remote control doesn't work! Check the following:**
1. Is the PDP Monitor power on?
 2. Are the plus and minus ends of the batteries reversed?
 3. Are the batteries drained?
 4. Is there a power cut, or is the power cord unplugged?
 5. Is there a special fluorescent light or a neon sign nearby?
-

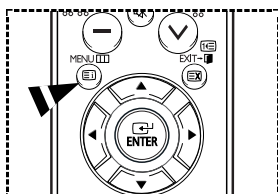


Switching Your PDP Monitor On and Off

The mains lead is attached to the rear of the PDP Monitor.

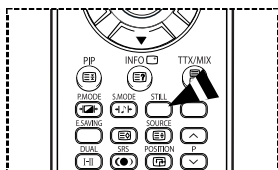
- 1 Plug the mains lead into an appropriate socket.
 - The main voltage is indicated on the rear of the PDP Monitor and the frequency is 50 or 60Hz.
- 2 Press the  (Power) button (On/Off) on the front of the PDP Monitor or press the **POWER** () button on the remote control to switch the PDP Monitor on.
- 3 To switch the PDP Monitor off, press the  (Power) button (On/Off) on the front of the PDP Monitor or press the **POWER** () button on the remote control.
- 4 To switch the PDP Monitor on, press the  (Power) button (On/Off) on the front of the PDP Monitor or press the **POWER** () button or number buttons on the remote control.

Viewing the Menus



- 1 Press the **MENU** (□□□) button.
The main menu is displayed on the screen.
Its left side has four icons: **Input**, **Picture**, **Sound**, and **Setup**.
- 2 Press the ▲ or ▼ button to select one of the icons.
Press the **ENTER** (↵) button to access the icon's sub-menu.
- 3 Press the ▲ or ▼ button to move to items in the menu.
Press the **ENTER** (↵) button to enter items in the menu.
- 4 Press the ▲/▼/◀/▶ button to change the selected items.
Press the **MENU** (□□□) button to return to the previous menu.
- 5 Press the **EXIT** button to exit from the menu.

Freezing the Current Picture



You can freeze the picture when watching a PDP Monitor programme simply by pressing the "**STILL**" button. To return to normal viewing, press it again.

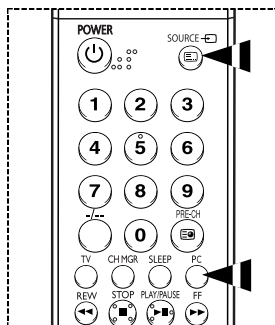
- This function will automatically cancel five minutes later.

Viewing an External Signal Source

- 1 Press the **MENU** () button to display the menu.
- 2 Press the **ENTER** () button to select **Source List**.
- 3 Press the **ENTER** () button again.
- 4 Press the **▲** or **▼** button to select the signal source, then press the **ENTER** () button.

Available signal source: **PC, HDMI (Option)**

- You can select these options simply by pressing the **SOURCE** button on the remote control.
- You can enter PC mode directly by using the PC button on the remote control unit.



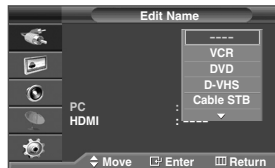
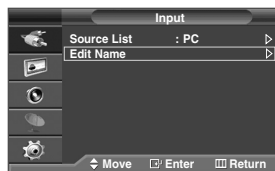
Editing Device Names

You can give a name to the external source.

- 1 Press the **MENU** () button to display the menu.
- 2 Press the **ENTER** () button to select **Input**.
- 3 Press the **▲** or **▼** button to select **Edit Name**, then press the **ENTER** () button.
- 4 Press the **▲** or **▼** button to select the external source to be edited, then press the **ENTER** () button.
- 5 Select the required device by pressing **▲** or **▼**, then press the **ENTER** () button.

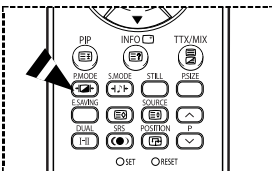
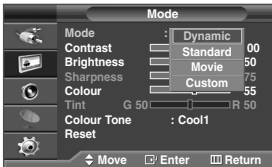
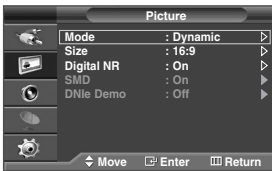
Available device names: **VCR, DVD, D-VHS, Cable STB, HD STB, Satellite STB, AV Receiver, DVD Receiver, Game, Camcorder, DVD Combo, DHR (DVD HDD Recorder), or PC.**

- 6 Press the **EXIT** button to exit.



Changing the Picture Standard

You can select the type of picture which best corresponds to your viewing requirements.



- 1 Press the **MENU** () button to display the menu.
- 2 Press the **▲** or **▼** button to select **Picture**, then press the **ENTER** () button.
- 3 Press the **ENTER** () button twice.
- 4 Select the required mode by pressing the **▲** or **▼** button, then press the **ENTER** () button.

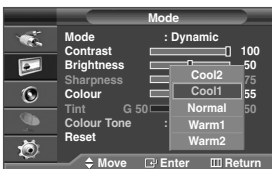
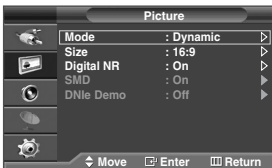
Available modes: **Dynamic, Standard, Movie, Custom**

➤ The settings values may vary depending on the input source.
(ex. PC or HDMI (Option))

- 5 Press the **EXIT** button to exit.
- You can select these options simply by pressing the **P.MODE** button on the remote control.
-
- ◆ Choose Dynamic for viewing the PDP Monitor during the day or when there is bright light in the room.
 - ◆ Choose Standard for the standard factory settings.
 - ◆ Choose Movie when viewing the movie.
 - ◆ Choose Custom if you want to adjust the settings according to personal preference.

Customizing the Picture Settings

Your PDP Monitor has several setting options that allow you to control the picture quality.



- 1 Press the **MENU** () button to display the menu.
- 2 Press the **▲** or **▼** button to select **Picture**, then press the **ENTER** () button.
- 3 Press the **ENTER** () button twice.
- 4 Select the required mode by pressing the **▲** or **▼** button, then press the **ENTER** () button.

Available modes: **Dynamic, Standard, Movie, Custom**

- 5 Select the required option by pressing the **▲** or **▼** button, then press the **ENTER** () button.
- 6 When you are satisfied with your setting, press the **ENTER** () button.
- 7 Press the **EXIT** button to exit.

- ◆ **Contrast – Brightness – Sharpness – Colour – Tint** (NTSC only)
- ◆ **Contrast – Brightness – Colour** : PC Mode
Press the **◀** or **▶** button until you reach the optimal setting.
- ◆ **Colour Tone: Cool2/Cool1/Normal/Warm1/Warm2**
- ◆ **Reset**: You can return to the factory defaults picture settings.
➤ The reset function is set for each picture mode and colour tone.

Selecting the Picture Size

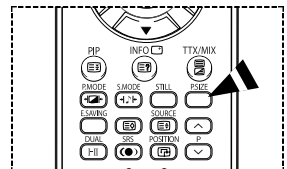
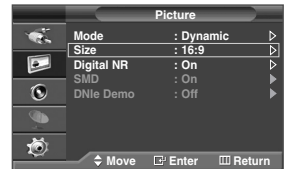
You can select the picture size which best corresponds to your viewing requirements.

- 1 Press the **MENU** () button to display the menu.
- 2 Press the **▲** or **▼** button to select **Picture**, then press the **ENTER** () button.
- 3 Press the **▲** or **▼** button to select **Size**, then press the **ENTER** () button.
- 4 Select the required option by pressing the **▲** or **▼** button, then press the **ENTER** () button.

Available options: **16:9**, **Wide 4:3**, **Zoom**, **4:3**

- ◆ **16:9**: Sets the picture to **16:9** wide mode.
- ◆ **Wide 4:3**: Magnify the size of the picture more than **4:3**.
Move the screen up/down using the **▲** or **▼** button after selecting the  by pressing the **►** or **ENTER** () button.
- ◆ **Zoom**: Magnify the size of the picture vertically on screen.
- ◆ **4:3**: Sets the picture to **4:3** normal mode.

- 5 Press the **EXIT** button to exit.
 - You can change the picture size simply by pressing the **P.SIZE** button on the remote control.
 - Depending on the input source, the picture size options may vary.
 - The items available may differ depending on the selected mode.
 - Wide 4:3 or Zoom is not available in PC mode.



Positioning and Sizing the screen using Zoom

- ◆ Resizing the screen using the **Zoom** enables the positioning and sizing of the screen to up/down direction using the **▲** or **▼** button as well as the screen size.
- ◆ Move the screen up/down using the **▲** or **▼** button after selecting the  by pressing the **◀** or **►** button.
- ◆ Resize the screen vertically using the **▲** or **▼** button after selecting the  by pressing the **◀** or **►** button.

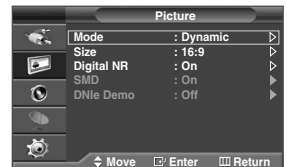
Digital NR / SMD / DNie Demo

- 1 Press the **MENU** () button to display the menu.
- 2 Press the **▲** or **▼** button to select **Picture**, then press the **ENTER** () button.
- 3 Select the required option by pressing the **▲** or **▼** button, then press the **ENTER** () button.

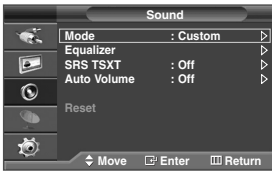
Available options: **Digital NR**, **SMD**, **DNie Demo**

- 4 When you are satisfied with your setting, press the **ENTER** () button.
- 5 Press the **EXIT** button to exit.

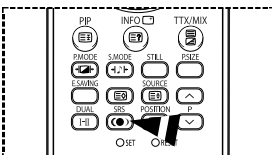
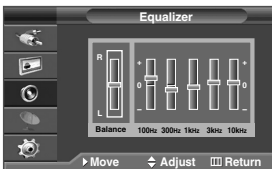
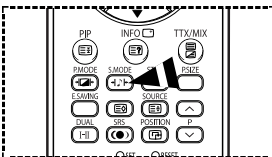
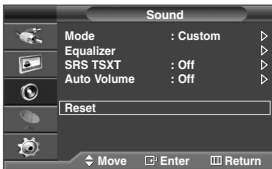
- ◆ **Digital NR: On/Off**
If the signal received by the PDP Monitor is weak, you can activate this feature to reduce any static and ghosting that may appear on the screen.
- ◆ **SMD(Smooth Motion Driver): On/Off (Option)**
If you set SMD to On, you can view more natural skin and clear text even in fast moving scenes.
 - Only available for the High Definition models.
 - SMD is not available in PC mode.
- ◆ **DNie Demo: On/Off**
This PDP Monitor includes the DNie function so as to provide a high visual quality. If you set DNie Demo to On, you can view an applied DNie and a normal picture on the screen, for demonstration purposes. Using this function, you can view the difference in the visual quality.
 - **DNie™ (Digital Natural Image engine) **
This feature brings you more detailed image with 3D noise reduction, detail enhancement, contrast enhancement and white enhancement. New image compensation Algorithm gives brighter, clearer, more detailed image to you. DNie™ technology will fit every signal into your eyes.
 - DNie Demo is not available in PC mode.



Sound Features



< If Game Mode is On >



- 1 Press the **MENU** () button to display the menu.
- 2 Press the **▲** or **▼** button to select **Sound**, then press the **ENTER** () button.
- 3 Select the required option by pressing the **▲** or **▼** button, then press the **ENTER** () button.

Available options: **Mode, Equalizer, SRS TSXT, Auto Volume, Reset** (If Game Mode is On)

- 4 When you are satisfied with your setting, press the **ENTER** () button.
- 5 Press the **EXIT** button to exit.

◆ **Mode: Standard/Music/Movie/Speech/Custom**

You can select the type of special sound effect to be used when watching a given broadcast.

- You can select these options simply by pressing the **S.MODE** button on the remote control.

◆ **Equalizer: Balance/100Hz/300Hz/1kHz/3kHz/10kHz**

The PDP Monitor has several settings which allow you to control the sound quality.

- If you make any changes to these settings, the sound mode is automatically switched to **Custom**.

◆ **SRS TSXT: On/Off**

TruSurround XT is a patented SRS technology that solves the of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal PDP Monitor speakers. It is fully compatible with all multichannel formats.

- You can select these options simply by pressing the **SRS** () button on the remote control.

- TruSurround XT, SRS and () Symbol are trademarks of SRS Labs, Inc. TruSurround XT technology is incorporated under license from SRS Labs, Inc.



◆ **Auto Volume: On/Off**

Each broadcasting station has its own signal conditions, and so it is not easy to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

◆ **Reset**

If Game Mode is On, the Reset Sound function is activated. Selecting the Reset function after setting the equalizer resets the equalizer setting to the factory defaults.

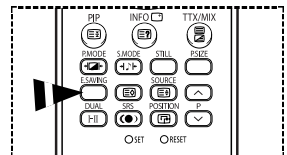
Language / Blue Screen / Melody / Energy Saving

- 1 Press the **MENU** (□) button to display the menu.
- 2 Press the **▲** or **▼** button to select **Setup**, then press the **ENTER** (↵) button.
- 3 Select the required option by pressing the **▲** or **▼** button, then press the **ENTER** (↵) button.

Available options: **Language, Game Mode, Blue Screen, Melody, PC, Energy Saving, Screen Burn Protection, Blue Eye**
- 4 When you are satisfied with your setting, press the **ENTER** (↵) button.
- 5 Press the **EXIT** button to exit.



- ◆ **Language**
It is variable depending on the model. When you start using the PDP Monitor for the first time, you must select the language which will be used for displaying menus and indications.
- ◆ **Blue Screen: On/Off**
If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the **Blue Screen** to **Off**.
- ◆ **Melody: On/Off**
You can hear melody sound when the PDP Monitor is powered on or off.
- ◆ **Energy Saving: Off/Low/Medium/High**
This feature adjusts the screen brightness depending on the surrounding lighting conditions.
Off: Switches off the **Energy Saving** mode.
Low: Operates in standard mode regardless of the surrounding illumination.
Medium: Enters Medium power saving mode regardless of the surrounding illumination.
High: Enters maximum power saving mode regardless of the surrounding illumination.



- You can select these options simply by pressing the **E.SAVING** button on the remote control.

Using Game Mode

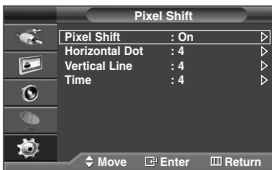
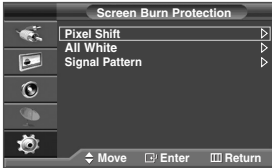
When connecting to a game console such as PlayStation™ or Xbox™, you can enjoy a more realistic gaming experience by selecting game menu.

- 1 Press the **MENU** (□) button to display the menu.
- 2 Press the **▲** or **▼** button to select **Setup**, then press the **ENTER** (↵) button.
- 3 Press the **▲** or **▼** button to select **Game Mode**, then press the **ENTER** (↵) button.
- 4 Select **Off** or **On** by pressing the **▲** or **▼** button, then press the **ENTER** (↵) button.
- 5 Press the **EXIT** button to exit.



- To disconnect the game console and connect another external device, cancel game mode in the picture menu.
- If you display the PDP Monitor menu in Game mode, the screen shakes slightly.
- **If Game Mode is On :**
 - ◆ Picture Mode is automatically changed to Custom and users cannot change the mode.
 - ◆ Sound Mode in the Sound menu is deactivated. Adjust the sound using the equalizer.
 - ◆ The Reset Sound function is activated. Selecting the Reset function after setting the equalizer resets the equalizer setting to the factory defaults.

Screen Burn Protection



To reduce the possibility of screen burn, this unit is equipped with screen burn prevention technology. This technology enables you to set picture movement up/down (Vertical Line) and side to side (Horizontal Dot). The Time setting allows you to program the time between movement of the picture in minutes.

- 1 Press the **MENU** () button to display the menu.
- 2 Press the **▲** or **▼** button to select **Setup**, then press the **ENTER** () button.
- 3 Press the **▲** or **▼** button to select **Screen Burn Protection**, then press the **ENTER** () button.
- 4 Select the required option by pressing the **▲** or **▼** button, then press the **ENTER** () button.
Available options: **Pixel Shift**, **All White**, **Signal Pattern**
- 5 When you are satisfied with your setting, press the **ENTER** () button.
- 6 Press the **EXIT** button to exit.

◆ **Pixel Shift:** Using this function, you can minutely move pixels on the PDP Monitor in horizontal or vertical direction to minimize after image on the screen.

- Set **Pixel Shift** to **On** by pressing the **▲** or **▼** button, then press the **ENTER** () button.
- Select the required option by pressing the **▲** or **▼** button, then press the **ENTER** () button.

Available options: **Horizontal Dot**, **Vertical Line**, **Time**

➤ Optimum condition for pixel shift;

Horizontal Dot	4
Vertical Line	4
Time (minute)	4

- ◆ **All White:** This function helps remove after images on the screen by changing the colour of pixels to white. Use this function when there are remaining after images or symbols on the screen especially when you displayed a still image on the screen for a long time.
- ◆ **Signal Pattern:** This function helps remove after images on the screen by moving all the pixels on the PDP Monitor according to a pattern. Use this function when there are remaining after images or symbols on the screen especially when you displayed a still image on the screen for a long time.
- To remove after images on the screen, use either "**All White**" or "**Signal Pattern**" function. Although both of the two functions remove after images on the screen, "**Signal Pattern**" is more effective.
- The after image removal function has to be executed for a long time (approximately 1 hour) to effectively remove after images on the screen.
If after image is not improved after the execution of the function, repeat the function again.
- Press any button on the remote control to cancel this feature.

Setting the Blue Eye

You can set the power of Blue LED to be on. If the power is off when Blue Eye is off, the Blue LED goes off after 5 seconds. This will save power and reduce eye fatigue.

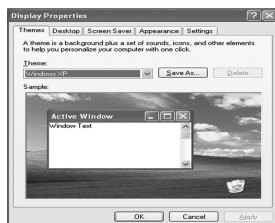
- 1 Press the **MENU** () button to display the menu.
- 2 Press the **▲** or **▼** button to select **Setup**, then press the **ENTER** () button.
- 3 Press the **▲** or **▼** button to select **Blue Eye**, then press the **ENTER** () button.
- 4 Select **Off** or **On** by pressing the **▲** or **▼** button, then press the **ENTER** () button.
 - ◆ **Off**: LED(Blue) will not come on.
 - ◆ **On**: LED(Blue) will come on after you turn the PDP Monitor off.
- 5 Press the **EXIT** button to exit.



Setting up Your PC Software (Based on Windows XP)

The Windows display-settings for a typical computer are shown below. But the actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. But even if your actual screens look different, the same, basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)

- 1 Right click the mouse on the Windows Desktop, then click on **Properties**. The **Display Properties** will be displayed.
- 2 Click on **Settings** tab, then set the Display Mode with reference to the Display Modes Table. You do not need to change the Colours settings.
- 3 Click on **Advanced**. A new settings dialog box will be displayed.
- 4 Click on the **Monitor** tab, then set the **Screen refresh rate** with reference to the Display Modes Table. Set the Vertical Frequency and Horizontal Frequency individually if you can do so instead of setting the **Screen refresh rate**.
- 5 Click on **OK** to close the window, then Click on **OK** button to the **Display Properties** window. Automatic re-booting may commence at this moment.



Input Mode (PC)

Both screen position and size will vary depending on the type of PC monitor and its resolution.
The table below shows all of the display modes that are supported:

Video Signal	Resolution (Dot X Line)	Vertical frequency (Hz)	Horizontal frequency (kHz)	Vertical polarity	Horizontal polarity
IBM PC / AT Compatible	640 x 350	70.086	31.469	P	N
	720 x 400	70.087	31.469	N	P
	640 x 480	59.940	31.469	N	N
		70.000	35.000	N/P	N/P
		72.809	37.861	N	N
		75.000	37.500	N	N
	800 x 600	56.250	35.156	N/P	N/P
		60.317	37.879	P	P
		70.000	43.750	N/P	N/P
		72.188	48.077	P	P
		75.000	46.875	P	P
	848 x 480	60.000	31.020	P	P
		74.769	37.684	P	N
	1024 x 768	60.004	48.363	N	N
		70.069	56.476	N	N
		72.000	57.672	N/P	N/P
		75.029	60.023	P	P

(N: Negative / P: Positive)

- ◆ The interlace mode is not supported.
- ◆ The PDP Monitor might operate abnormally if a non-standard video format is selected.
- ◆ 480i/p, 576i/p, 720p, or 1080i is not available in PC mode.
- ◆ The PC text quality is optimum in **WVGA** mode (848 x 480@60Hz).

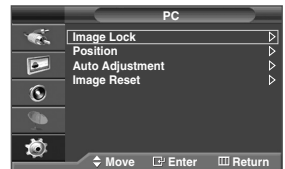
Setting the PC

➤ Preset to the **PC** mode by pressing the **SOURCE** () button.

- 1 Press the **MENU** () button to display the menu.
- 2 Press the **▲** or **▼** button to select **Setup**, then press the **ENTER** () button.
- 3 Press the **▲** or **▼** button to select **PC**, then press the **ENTER** () button.
- 4 Select the required option by pressing the **▲** or **▼** button, then press the **ENTER** () button.

Available options: **Image Lock, Position, Auto Adjustment, Image Reset**

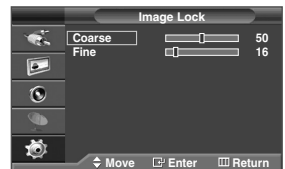
- 5 When you are satisfied with your setting, press the **ENTER** () button.
- 6 Press the **EXIT** button to exit.



◆ Image Lock: Coarse/Fine

The purpose of picture quality adjustment is to remove or reduce picture noise. If the noise is not removed by Fine-tuning alone, then adjust the frequency as best as possible (coarse) and Fine-tune again. After the noise has been reduced, re-adjust the picture so that it is aligned on the center of screen.

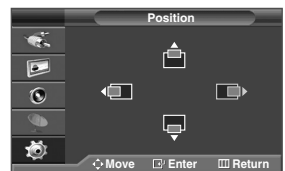
- 1 Press the **▲** or **▼** button to select **Coarse** or **Fine**, then press the **ENTER** () button.
- 2 Press the **◀** or **▶** button to adjust the screen quality, vertical stripes may appear or the picture may be blurry. Press the **ENTER** () button.



◆ Position:

Adjust the PC's screen positioning if it does not fit the PDP Monitor screen.

- 1 Adjust the position by pressing the **▲/▼/◀/▶** button.
- 2 Press the **ENTER** () button.



◆ Auto Adjustment:

Auto adjustment allows the PC screen of set to self-adjust to the incoming PC video signal. The values of fine, coarse and position are adjusted automatically.

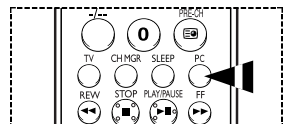
◆ Image Reset:

You can replace all image settings with the factory default values.

Auto Adjustment in progress
Please wait

Image Reset has completed.
Return

➤ You can select these options simply by pressing the **PC** button on the remote control.



How to Install the Wall Mount Bracket

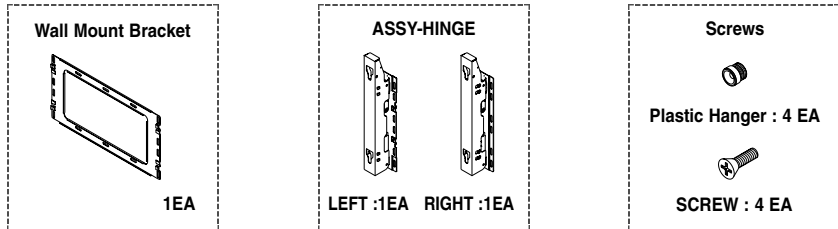
- This installation guide may be different from the PDP Monitor User's manual.
Please refer to the proper installation guide for your product.

Installation Notes

- ◆ Contact a technician for installing the wall bracket.
- ◆ Samsung Electronics is not responsible for any damages to the product or harm to customers when the installation is done by the customer.
- ◆ This product is for installing on cement walls. The product may not stay in place when installed on plaster or wood.
- ◆ The package contents and parts supplied for the wall mount are subject to change without prior notice.

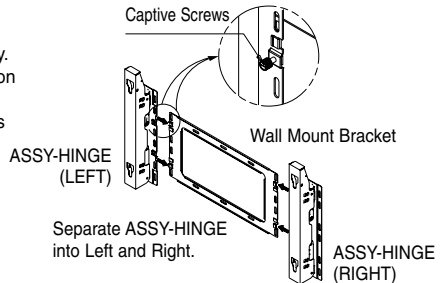
Mounting Kits

- ◆ Please use only the parts and components provided for wall mount installation.



How to assemble the Wall Mount Bracket

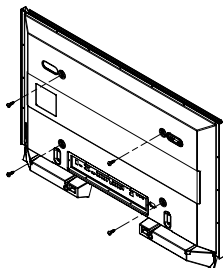
- 1 The wall mount bracket is delivered separately. Please tighten the captive screw in the direction of the arrow after assembling the bracket. Install the Wall Mount Bracket after the screws are securely inserted into the wall.



Instructions on Securing the SET to the Wall Mount Bracket

- The exterior of the SET may be different than the picture. (Assembly and installation of the plastic hanger is the same.)

- 1 Remove the screws from the back of the PDP Monitor.
- 2 Use the screw and assemble the plastic hanger. (Please refer to the following picture.)

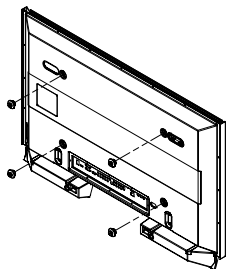


- 1 Please ask the installers to install the wall mount bracket.
- 2 Please be sure to check if the plastic hanger is completely secured on both the left and right side after hanging the SET on the wall mount bracket.
- 3 Please avoid catching your fingers while installing and adjusting the angle.
- 4 Please tightly secure the wall mount bracket to the wall to avoid injury from a falling SET.

continued...

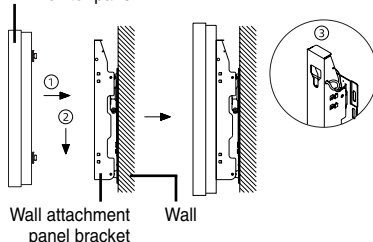
How to Install the Wall Mount Bracket

- 3 Tighten the screws of the plastic hanger (shown in picture 2) to the back side of the PDP Monitor.



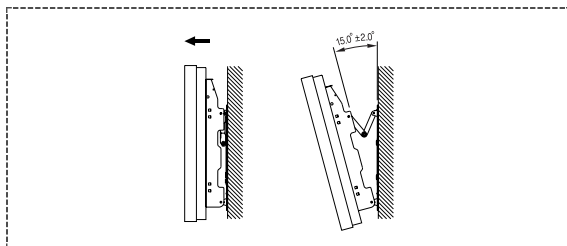
- 4 Remove the Safety Pins. Fasten the 4 plastic latches assembled at step (3) on the back side of the PDP Monitor using the guide holes of the wall mount, push (1) and hook (2) down to secure the PDP Monitor on the wall mount as illustrated. Secure the PDP Monitor by inserting the Safety Pins, not to fall from the wall mount.

PDP Monitor panel

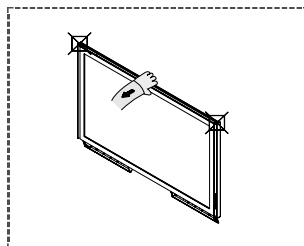


How to Adjust Mounting Angle

- Please secure the mounting bracket on the wall surface after setting its angle at 0°



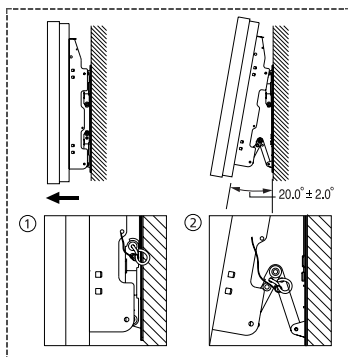
- 1 Secure the SET to the wall mount bracket.(Please refer to the follow ing instructions.)
- 2 Set the angle by pulling the upper end of the SET attached to bracket in the direction of the arrow. (Refer to the illustration on the right.)
- 3 The angle can be adjusted from 0° to 15° by ±2°.



Hold onto the middle of the PDP Monitor to adjust the angle (not the sides of the PDP Monitor).

Connecting External Devices to the PDP Monitor

- To connect external devices such as a DVD or a Home Theater System to the PDP Monitor, please refer to following instructions:

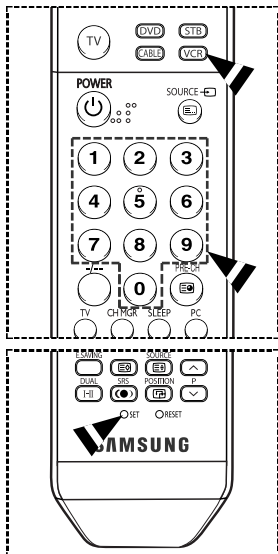


- 1 Be sure to remove the safety pins underneath the PDP Monitor.
 - If the safety pins are not removed, the angle cannot be adjusted. Any attempt to do so may cause damage to the PDP Monitor.
 - 2 Hold onto the bottom of the PDP Monitor and pull forward fully as directed by the arrow as illustrated to adjust the angle. (0°~20° by 2°) Insert the Safety Pins to the front guide holes on both sides as illustrated in figure ②.
 - Viewing the PDP Monitor after connecting the external devices Remove the Safety Pins to adjust the angle to 0°, and then secure the Safety Pins again.
- ☞ For safety, be sure to secure the PDP Monitor using the safety pins. If the safety pins are not used, the PDP Monitor may fall, causing serious injury.

Setting Up Your Remote Control

After it has been set up properly, your remote control can operate in five different modes: TV, VCR, Cable, DVD, or Set-Top Box. Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever piece of equipment you choose.

➤ The remote control might not be compatible with all DVD Players, VCRs, Cable boxes, and Set-Top Boxes.



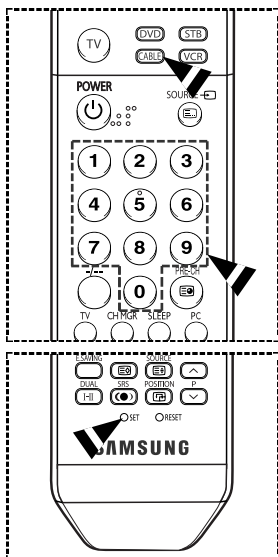
Setting Up the Remote to Operate Your VCR

- 1 Turn off your VCR.
- 2 Press the **VCR** button on your PDP's remote control.
- 3 Press the **SET** button on your PDP's remote control.
- 4 Using the number buttons on your remote control, enter three digits of the VCR code listed on page 22 of this manual for your brand of VCR. Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.)
- 5 Press the **POWER** button on the remote control. Your VCR should turn on if your remote is set up correctly.

If your VCR does not turn on after set-up, repeat steps 2, 3 and 4, but try one of the other codes listed for your brand of VCR. If no other codes are listed, try each VCR code, 000 through 080.

Note on Using Remote Control Modes: VCR

When your remote control is in "VCR" mode, the volume buttons still control your PDP's volume.



Setting Up the Remote to Operate Your Cable Box

- 1 Turn off your cable box.
- 2 Press the **CABLE** button on your PDP's remote control.
- 3 Press the **SET** button on your PDP's remote control.
- 4 Using the number buttons on your remote control, enter three digits of the cable box code listed on page 23 of this manual for your brand of cable box. Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.)
- 5 Press the **POWER** button on the remote control. Your cable box should turn on if your remote is set up correctly.

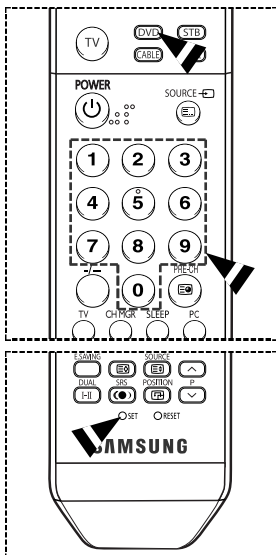
If your cable box does not turn on after set-up, repeat steps 2, 3 and 4, but try one of the other codes listed for your brand of cable box. If no other codes are listed, try each code, 000 through 046.

Note on Using Remote Control Modes: Cable Box

When your remote control is in "CABLE" mode, the volume buttons still control your PDP's volume.

continued...

Setting Up Your Remote Control



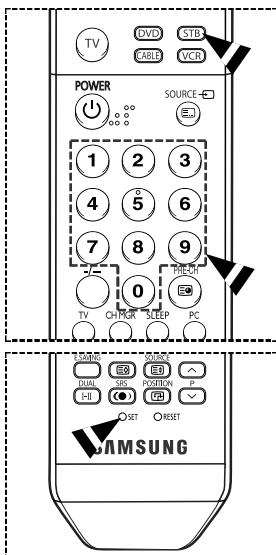
Setting Up the Remote to Operate Your DVD

- 1 Turn off your DVD.
- 2 Press the **DVD** button on your PDP's remote control.
- 3 Press the **SET** button on your PDP's remote control.
- 4 Using the number buttons on your remote control, enter three digits of the DVD code listed on page 24 of this manual for your brand of DVD. Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.)
- 5 Press the **POWER** button on the remote control.
Your DVD should turn on if your remote is set up correctly.

If your DVD does not turn on after set-up, repeat steps 2, 3 and 4, but try one of the other codes listed for your brand of DVD. If no other codes are listed, try each code, 000 through 141.

Note on Using Remote Control Modes: DVD

When your remote control is in "DVD" mode, the volume buttons still control your PDP's volume.



Setting Up the Remote to Operate Your Set Top Box

- 1 Turn off your STB.
- 2 Press the **STB** button on your PDP's remote control.
- 3 Press the **SET** button on your PDP's remote control.
- 4 Using the number buttons on your remote control, enter three digits of the STB code listed on page 23 of this manual for your brand of STB. Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.)
- 5 Press the **POWER** button on the remote control.
Your STB should turn on if your remote is set up correctly.

If your STB does not turn on after set-up, repeat steps 2, 3 and 4, but try one of the other codes listed for your brand of STB. If no other codes are listed, try each code, 000 through 074.

Note on Using Remote Control Modes: STB

When your remote control is in "STB" mode, the volume buttons still control your PDP's volume

continued...

Setting Up Your Remote Control

Remote Control Codes

VCR

Brand	Code
SAMSUNG	000 001 002 003 004 005 077 078 079
ADMIRAL	020
AIWA	025
AKAI	004 027 032
AUDIO DYNAMICS	007 026
BELL&HOWELL	018
BROKSONIC	022
CANDLE	002 003 006 008 015 055
CANON	021 056
CITIZEN	002 003 006 008 015 055
COLORTYME	007
CRAIG	002 024
CURTIS MATHES	002 007 008 017 021 025 056 064 066
DAEWOO	003 010 011 012 013 014 015 016
DB	007 026
DIMENSIA	017
DYNATECH	025
ELECTROHOME	034
EMERSON	001 003 006 021 022 025 030 032 034 040 047 050 052 060 063 065 066 067 069 073
FISHER	018 024 028 029 048 051 061
FUNAI	025
GENERAL ELECTRIC	002 005 017 021 056
GO VIDEO	002
LG(Goldstar)	006 007 008 009 010
HARMAN KARDON	007
HITACHI	019 025 041 042 074
INSTANT REPLAY	021
JC PENNEY	002 007 018 019 021 026 037 041 054 056
JCL	007 008 018 021 026 037
KENWOOD	007 008 018 026 037
KLH	070
LLOYD	025
LOGIK	038
LXI	025
JVC	081 082 083
MAGNAVOX	021 056 059
MARANTZ	007 008 018 021 026 037 062
MARTA	006
KONIA	036
ORION	073 074 075 076
MEI	021
MEMOREX	006 021 024 025
MGA	034
MIDLAND	005
MINOLTA	019 041 075

Brand	Code
MITSUBISHI	019 034 041 046
MONTGOMERY WARD	020
MTC	002 025
MULTITECH	002 005 025 038
NEC	007 008 018 026 037 062 064
OPTIMUS	020
PANASONIC	021 056 071 072
PENTAX	019 041 075
PENTEX RESEARCH+	008
PHILCO	021 056 059
PHILIPS	021 080
PIONEER	019 026 039 053
PORTLAND	015 049 055
PROSCAN	017
QUARTZ	018
QUASAR	021 056
RADIO SHACK/REALISTIC	006 018 020 021 024 025 029 034 048 056
RCA	002 017 019 021 035 041 043 057 068 076
SANSUI	026
SANYO	018 024
SCOTT	003 047 052 067
SEARS	006 018 019 024 028 029 041 048 051
SHARP	020 034 045 015
SHIMTOM	027 033 038 058
SIGNATURE	025
SONY	027 033 044
SYLVANIA	021 025 056 059
SYMPHONIC	025
TANDY	018 025
TASHIKA	006
TATUNG	037
TEAC	025 037 068
TECHNICS	021
TEKNIKA	006 021 025 031
TMK	066
TOSHIBA	003 019 029 051 052
TOTEVISION	002 006
UNITECH	002
VECTOR RESEARCH	007 026
VICTOR	026
VIDEO CONCEPTS	007 026
VIDEOSONIC	002
WARDS	002 003 006 019 020 021 024 025 034 038 041
YAMAHA	007 008 018 026 037
ZENITH	023 027 033

continued...

Setting Up Your Remote Control

CABLE BOX

Brand	Code
SAMSUNG	000 001 002 003 004 005 006 007
GI	041
HAMLIN	003 024 031
HITACHI	025 030
JERROLD	038 039
MACOM	025 030
MAGNAVOX	019 023 028
OAK	026
PANASONIC	003 022 027 037 044
PHILIPS	019 021 023 028
PIONEER	004 018 020 044
RCA	014 022 040
REGAL	003

Brand	Code
REGENCY	015 023
SA	042 043
SCIENTIFIC ATLAN	042 043
SPRUCER	022
STARGATE 2000	036
SYLVANIA	016
TEXSCAN	016
TOCOM	032
UNIVERSAL	033 034
VIEWSTAR	019 021 023 028
WAMER AMEX	046
ZENITH	017 029 035 037 045

SAMSUNG SET-TOP BOX

Product	Code
Ground wave STB	001 002
Satellite STB	003
CABLE STB	004
STB DVD COMBO	008
Satellite STB HDD COMBO Standard	009

Product	Code
Satellite STB HDD COMBO Premium	010
CABLE STB HDD COMBO Standard	011
CABLE STB HDD COMBO Premium	012
Ground wave STB HDD COMBO Standard	013
Ground wave STB HDD COMBO Premium	014

SET-TOP BOX

Brand	Code
ALPHASTAR	023
ANAM	043
CHANNEL MASTER	018 034
CROSSDIGITAL	019
CHAPARRAL	035
DIRECT TV	015 016 017 019 022 045 060 061 062 065 066 067
DAEWOO	074
DISH NETWORK SYSTEM	069 070
DISHPRO	069
DRAKE	018 024 032
DX ANTENNA	027
ECHOSTAR	025 069 070 071
EXPRESSVU	069
GOI	069
GE	065
GENERAL INSTRUMENT	046 047 048 063 064
HTS	069
HOME CABLE	056
HITACHI	022
HUGHES NETWORK	015 017
IQ	020
IQ PRISM	020
JANEIL	059
JERROLD	063
JVC	069 070

Brand	Code
LG(Goldstar)	044 073
MAGNAVOX	016 021 036 038 039 040 041 042
MEMOREX	016
MOTOROLA	064
MACOM	018
MITSUBISHI	015
NEXT LEVEL	047 048 064
PHILIPS	015 016 017 021 033 036 038 039 040 041 042 067
PRIMESTAR	046 049 050 063
PANASONIC	058 059 061 062
PAYSAT	016
PROSCAN	065 066
RCA	051 052 053 065 066
RADIOSHACK	064
REALISTIC	057
STS	020 027
STAR TRAK	026
SKY	031
SKY LIFE	005 006 007
SHACK	064
STAR CHOICE	064
SONY	054 060
TOSHIBA	015 017 028 029 030 072
ULTIMATE TV	060 066
UNIDEN	016 021 037 055 056 057
ZENITH	024 031 068

continued...

Setting Up Your Remote Control

SAMSUNG DVD

Product	Code
DVD	000 001 002
DVDR	003 004
BD Record	005 006
VCR COMBO	007 008 009 010 011
VCR Record	012
DHR COMBO	013

Product	Code
Home Theater VCR COMBO	014 015 016
HDD Record COMBO	017
TWIN TRAY COMBO	018
STB DVD COMBO	019
DVD Receiver	020
AV Receiver	021

DVD

Brand	Code
ANAM	030
AUDIOVOX	075
AUDIOLOGIC	085
ANABA	072
APEX DIGITAL	070 071 074 086 083 084 088 111 112
AIWA	114
BROKSONIC	062
BLAUPUNKT	074
B&K	122 123
CURTIS MATHES	027
CYBER HOME	065 077 078 079 082
CLARION	080 125
CIRRUS	081
CINEVISION	095
DAEWOO	066
DENON	146
FARENHEIT	067 068
FISHER	090
GPX	060
GO VIDEO	061 089 133 135
GE	069 074
GREENHILL	074
HITACHI	064 113
HITEKER	071
HOYO	073
HARMAN / KARDON	091 110
IRT	089
INTEGRA	092
JBL	091
JVC	022 033 115 116
JATON	073
KENWOOD	051 108 109
KISS	073
KONKA	059 100 106 107
KLH	074 075
LG(Goldstar)	025 031
LOEWE	057
LASONIC	058
MOBILE AUTHORITY	054
MEMOREX	055
MALATA	056
MAGNAVOX	076 093
MINTEK	074 094
MONYKA	073

Brand	Code
NORCENT	048 049 050
NEXT BASE	052
NEC	053
NANTAU	144
NESA	074
OPTOMEDIA ELECTRONICS	105
OPTIVIEW	072
ONKYO	076 092 119
PHILCO	044 045
PRINCETON	046 047
PROSCAN	023
PANASONIC	024 034 124 134 136 137 138
PHILIPS	036 076
ROTEL	117 118
RIO	120
RCA	023 035 074 075 131 132
RAITE	073
ROWA	038
SAMPO	104
SONY	026 029 126 127 128 129 130 141
SHERWOOD	039 041
SVA	042
SYLVANIA	043 093
SHARP	140
SANSUI	062
SANYO	062
SHINSONIC	094
SANYO	090
THOMSON	145
TOSHIBA	028 062 076
TECHNICS	139
TVIEW	072
TOKAI	073
TEAC	096
TECHWOOD	097
TREDEX	098 099 101
URBAN CONCEPTS	076
VENTURER	075
VOCOPRO	102
YAMAHA	032 063
YAMAKAWA	040 073
XWAVE	103
ZENITH	076 121

Troubleshooting

Before contacting the Samsung after-sales service, perform the following simple checks.

If you cannot solve the problem using the instructions below, note the model and serial number of the PDP Monitor and contact your local dealer.

No sound or picture

- ◆ Check that the mains lead has been connected to a wall socket.
- ◆ Check that you have pressed the **⏻** (Power) button (On/Off) on the front panel or press the **POWER** (**⏻**) button on the remote control.
- ◆ Check the picture contrast and brightness settings.
- ◆ Check the volume.

Normal picture but no sound

- ◆ Check the volume.
- ◆ Check whether the volume **MUTE** button on the remote control has been pressed.

No picture or black and white picture

- ◆ Adjust the colour settings.
- ◆ Check that the broadcast system selected is correct.

Sound and picture interference

- ◆ Try to identify the electrical appliance that is affecting the PDP Monitor, then move it further away.
- ◆ Plug the PDP Monitor into a different mains socket.

Blurred or snowy picture, distorted sound

- ◆ Check the direction, location and connections of your aerial.
This interference often occurs due to the use of an indoor aerial.

Remote control malfunctions

- ◆ Replace the remote control batteries.
- ◆ Clean the upper edge of the remote control (transmission window).
- ◆ Check that the "+" and "-" ends of the batteries are inserted correctly.
- ◆ Check that the batteries are drained.

Screen is black and power indicator light blinks steadily

- ◆ On your computer check; Power, Signal Cable.
- ◆ The PDP Monitor is using its power management system.
- ◆ Move the computer's mouse or press any key on the keyboard.

- ◆ On your equipment check (STB, DVD, etc) ; Power, Signal Cable.
- ◆ The PDP Monitor is using its power management system.
- ◆ Press the Source button on the panel or remote control.
- ◆ Turn the PDP Monitor off and on.

***This page is intentionally
left blank.***

***This page is intentionally
left blank.***

